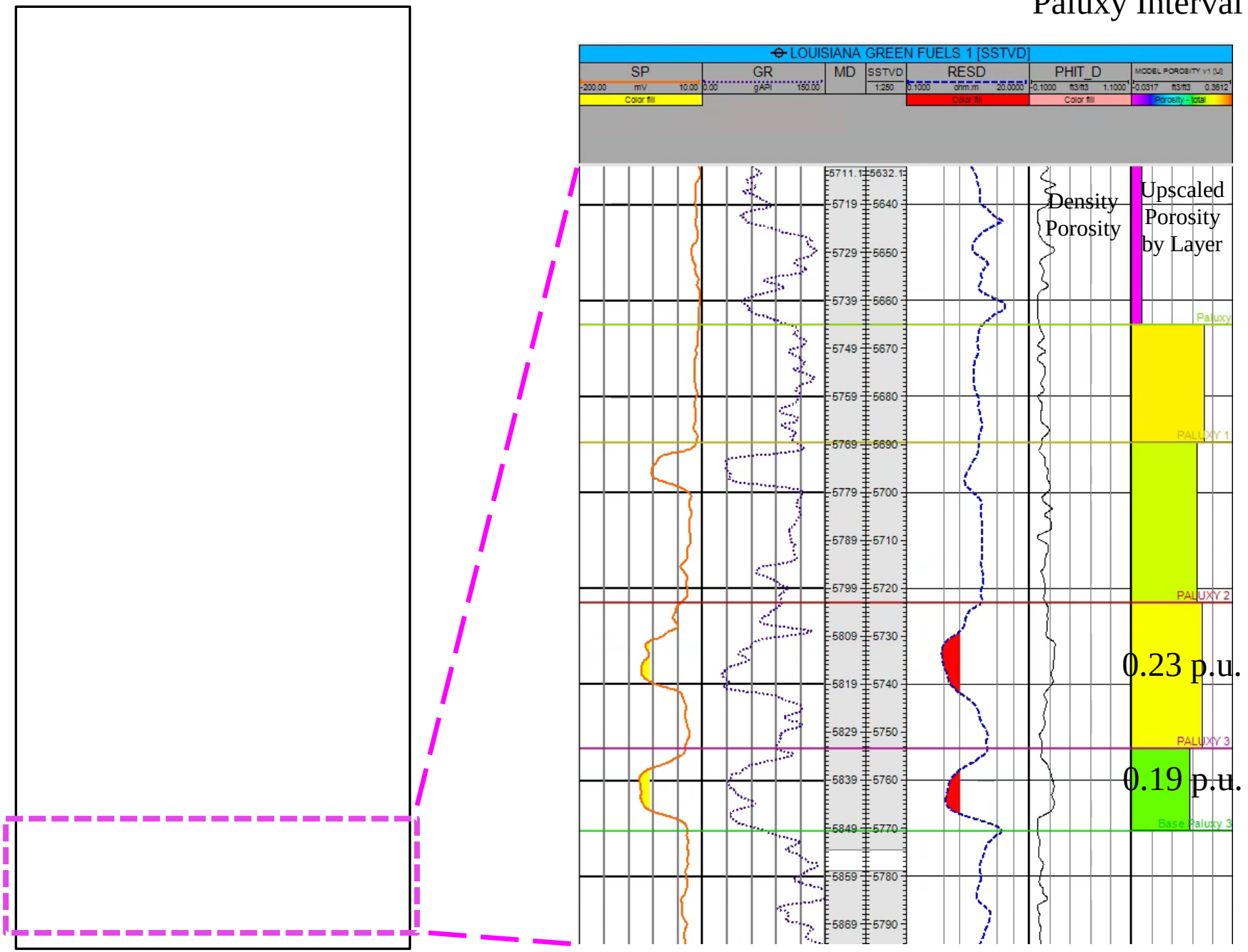
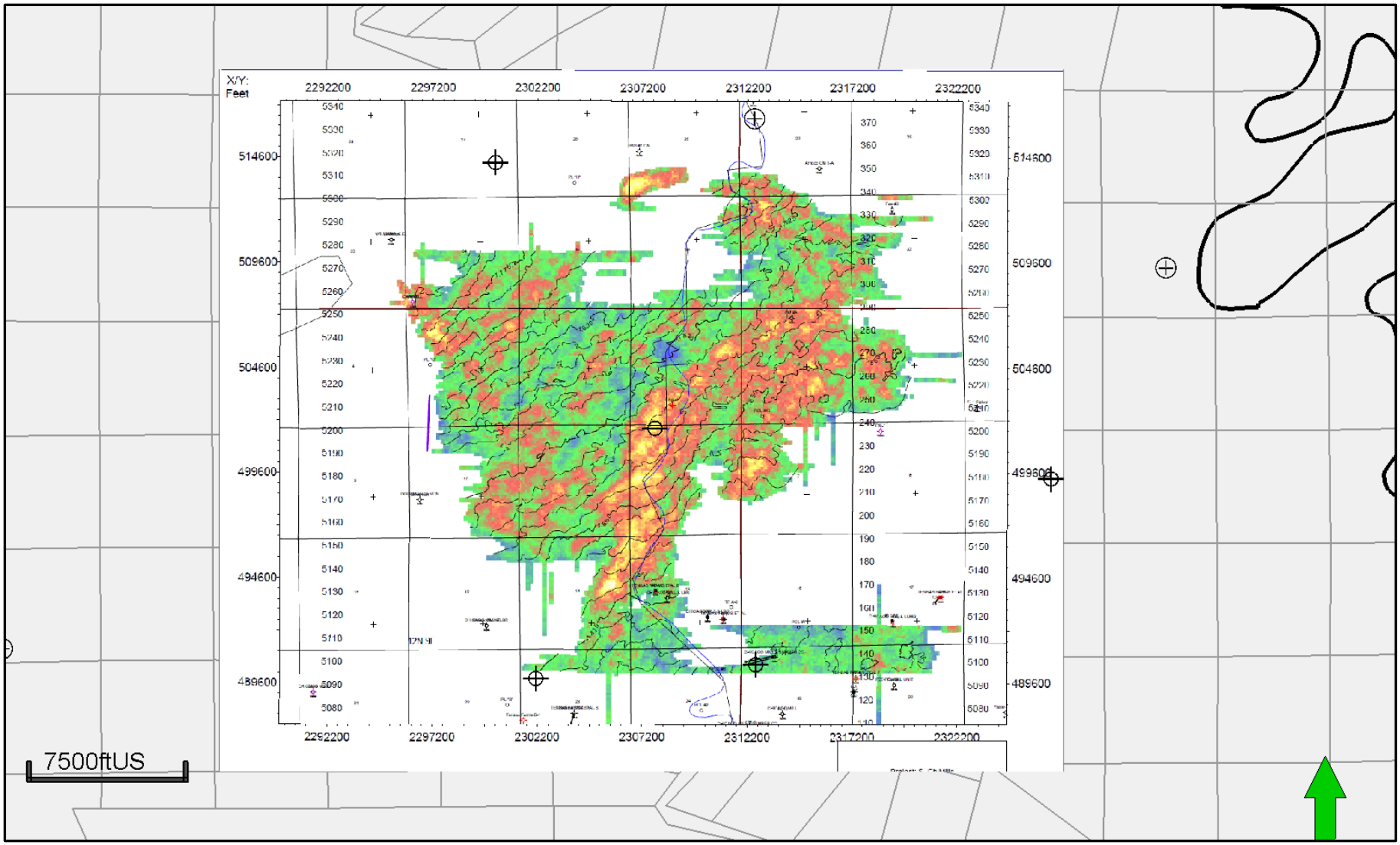
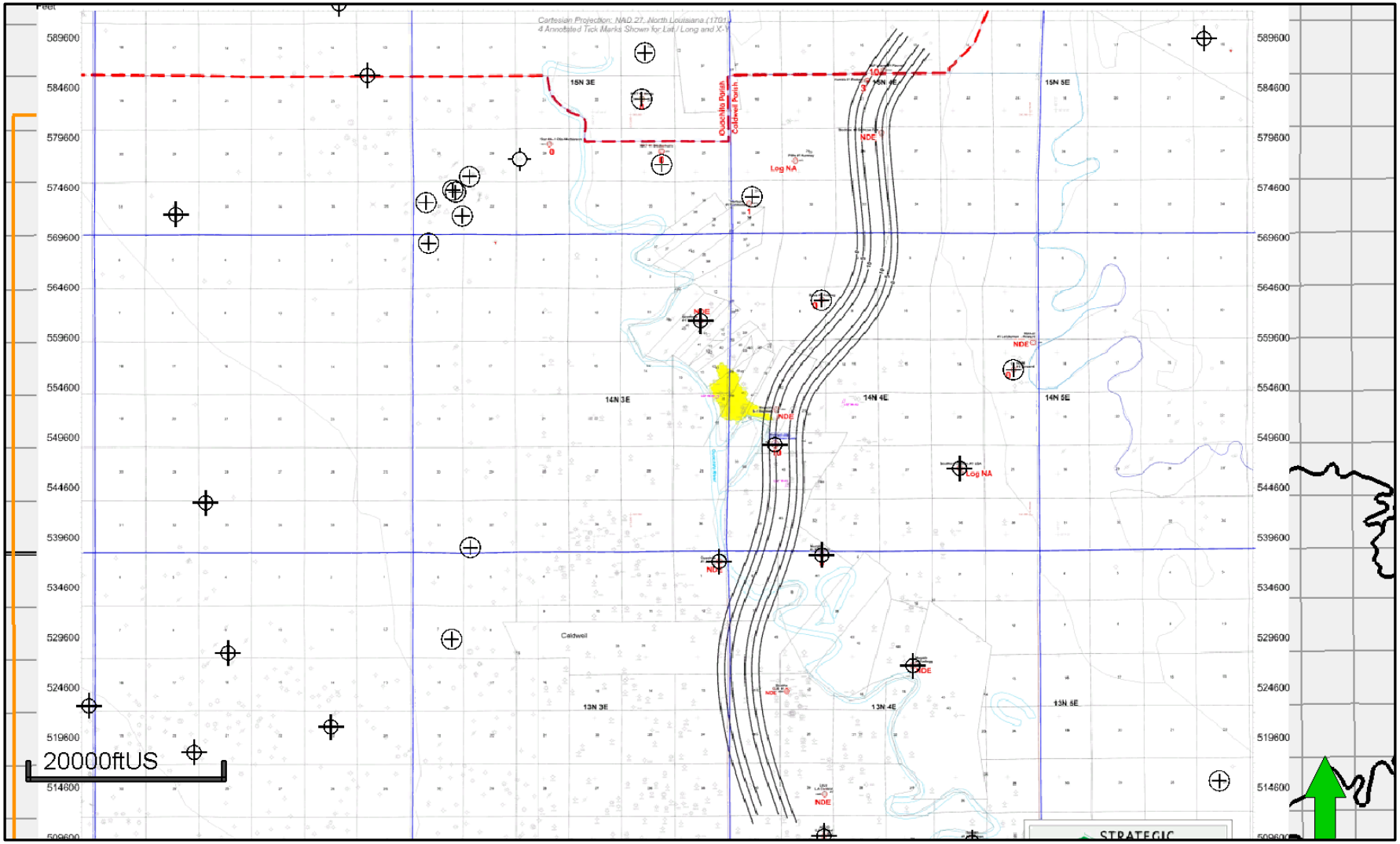
APPENDIX 4 – Paluxy Sand Facies

Paluxy Interval

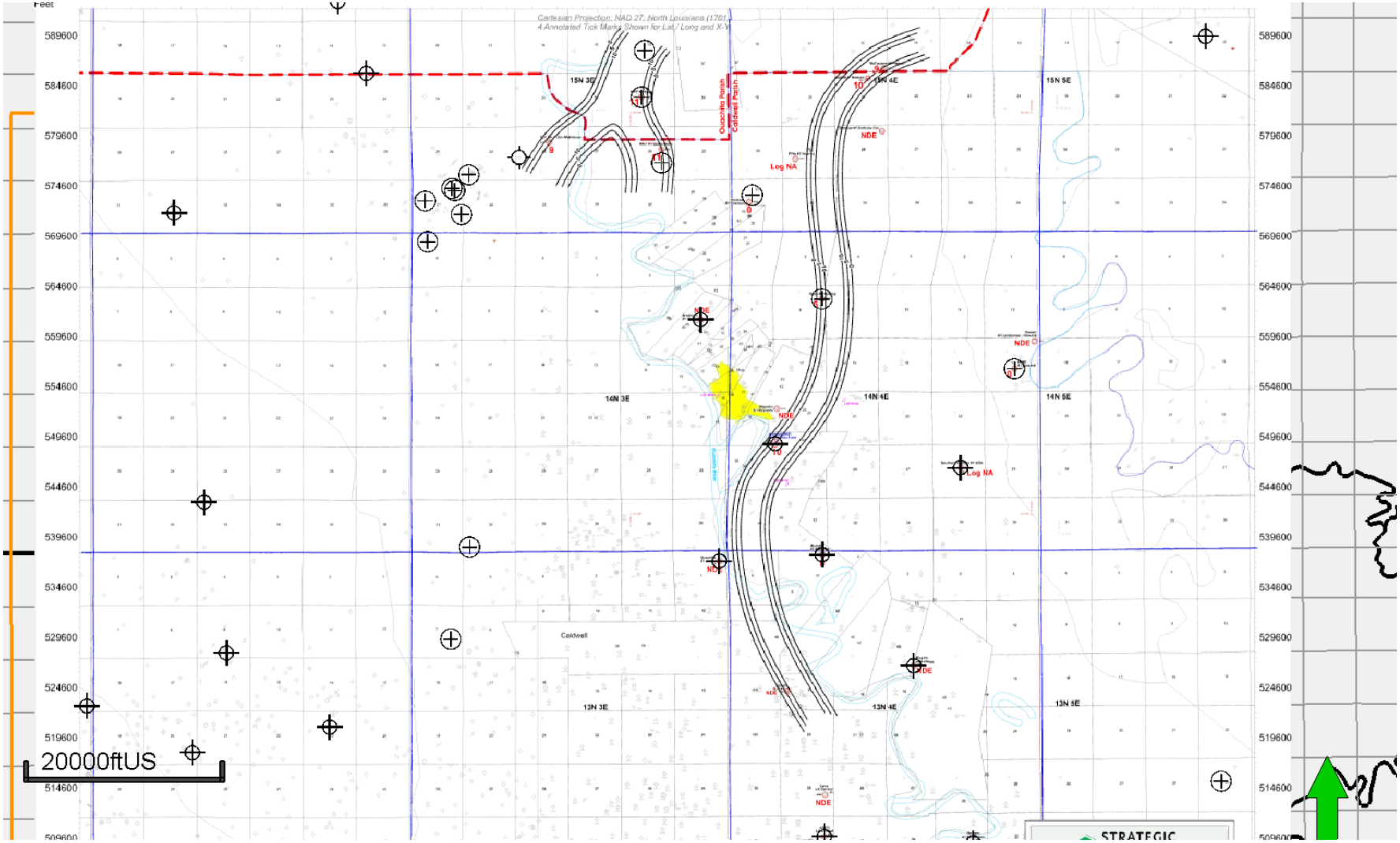




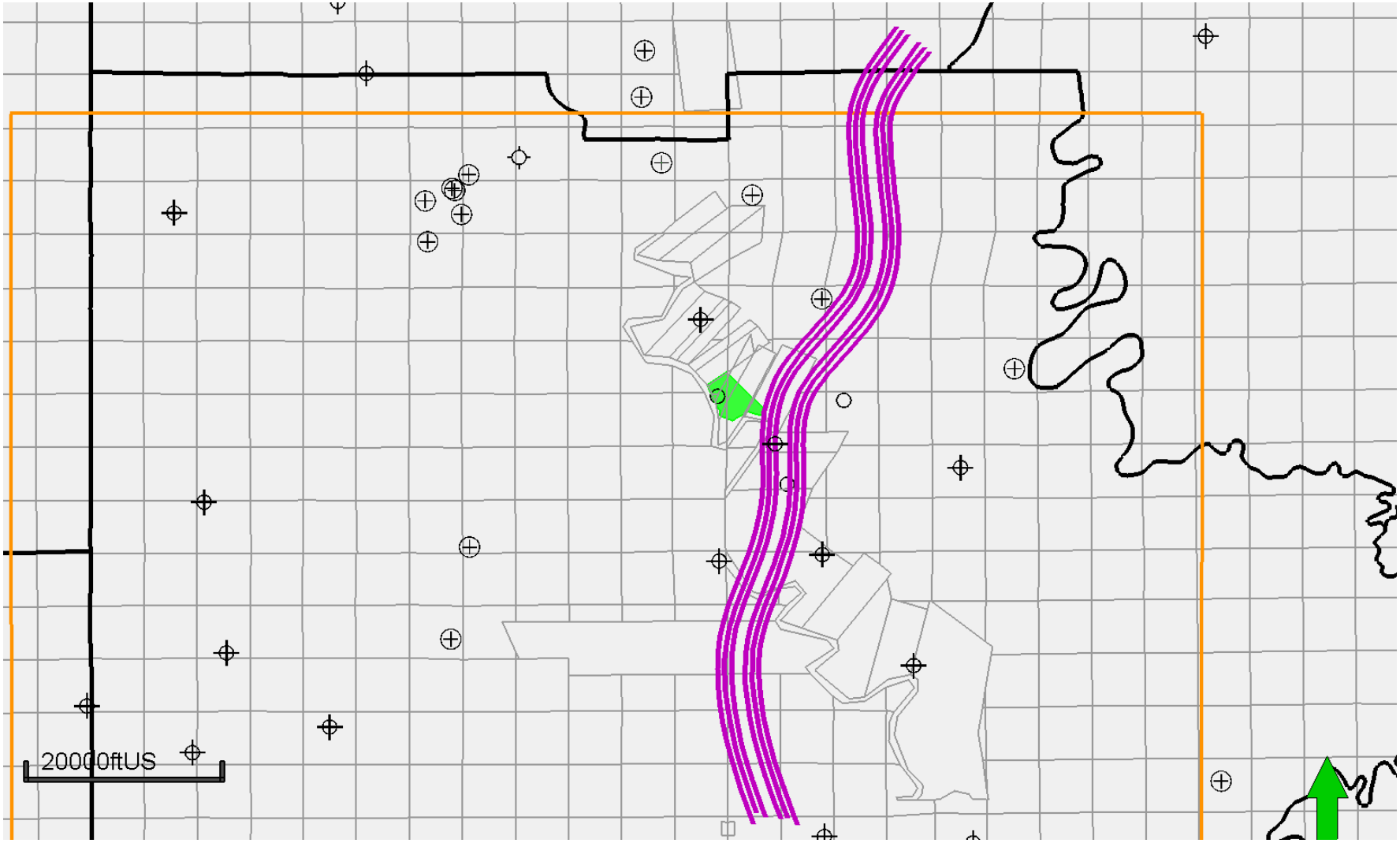
Paluxy interval seismic data from the parish adjacent to Caldwell, Franklin parish was utilized to provide a sense of the dimensions and directionality of possible Paluxy channels at the proposed location.



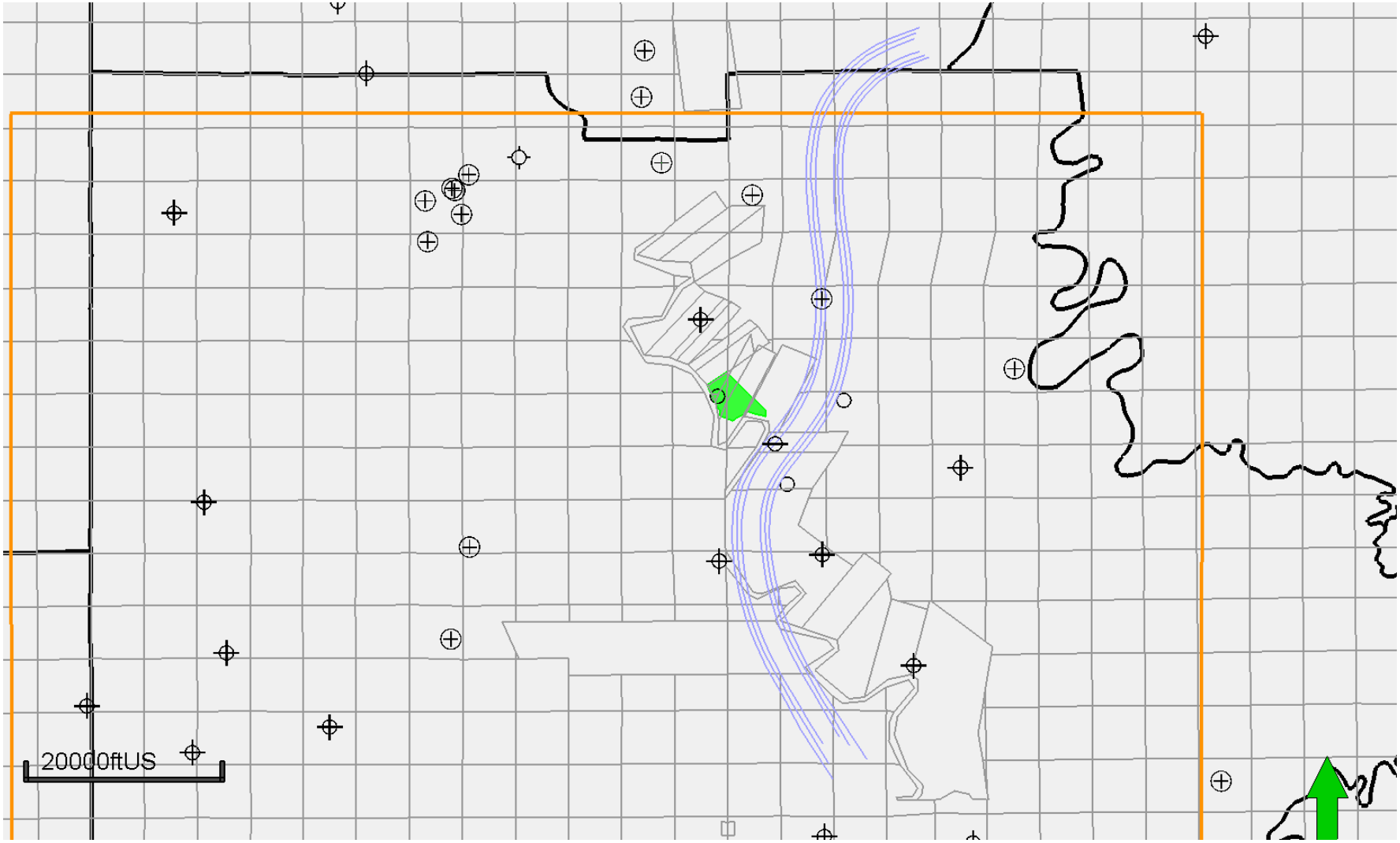
Paluxy 2 channel drawn using the seismic data from the adjacent parish as an analog. This image was then imported into Petrel and used to generate thickness contours to define the channel within the model.



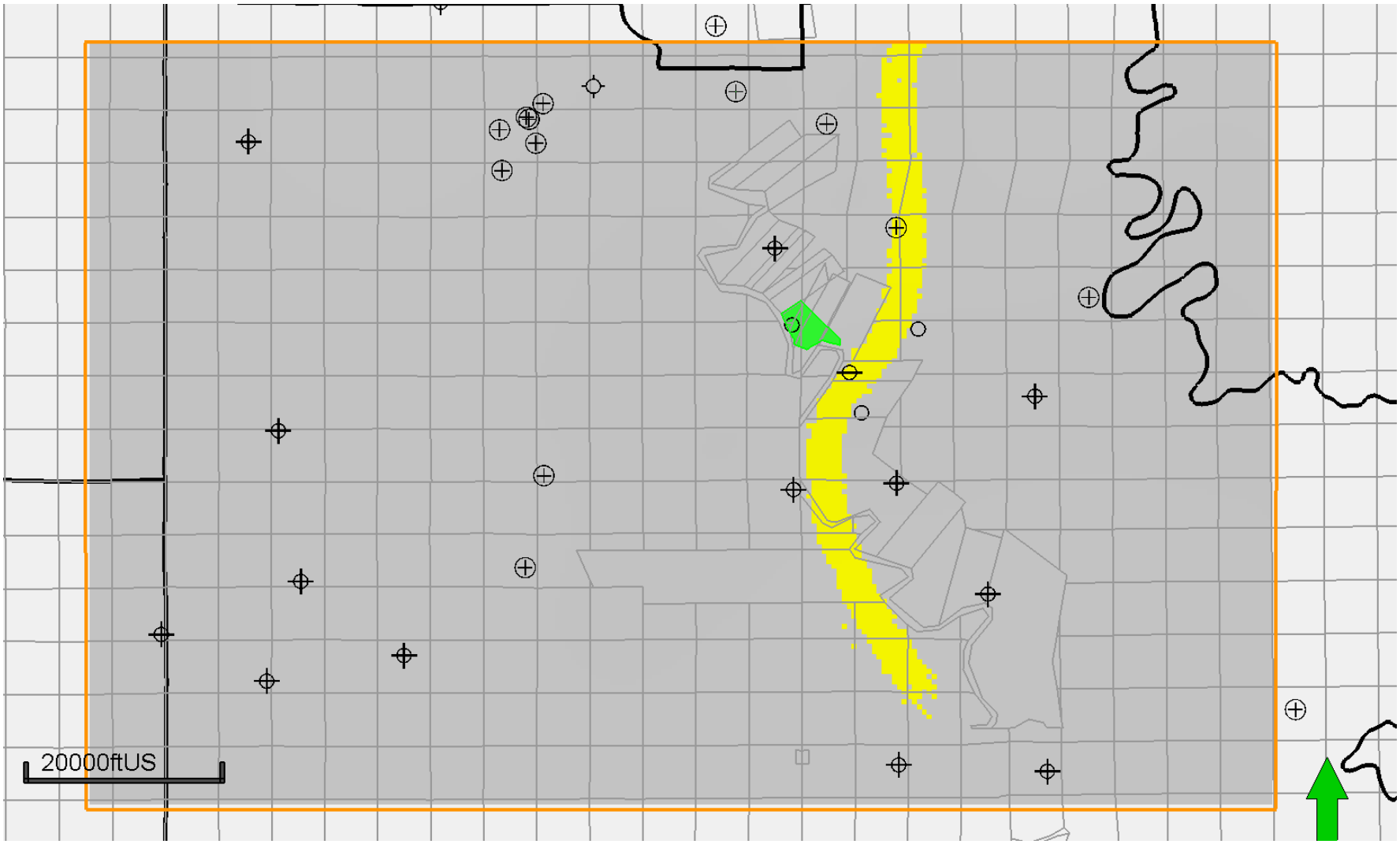
Paluxy 3 channel drawn using the seismic data from the adjacent parish as an analog. This image was then imported into Petrel and used to generate thickness contours to define the channel within the model.



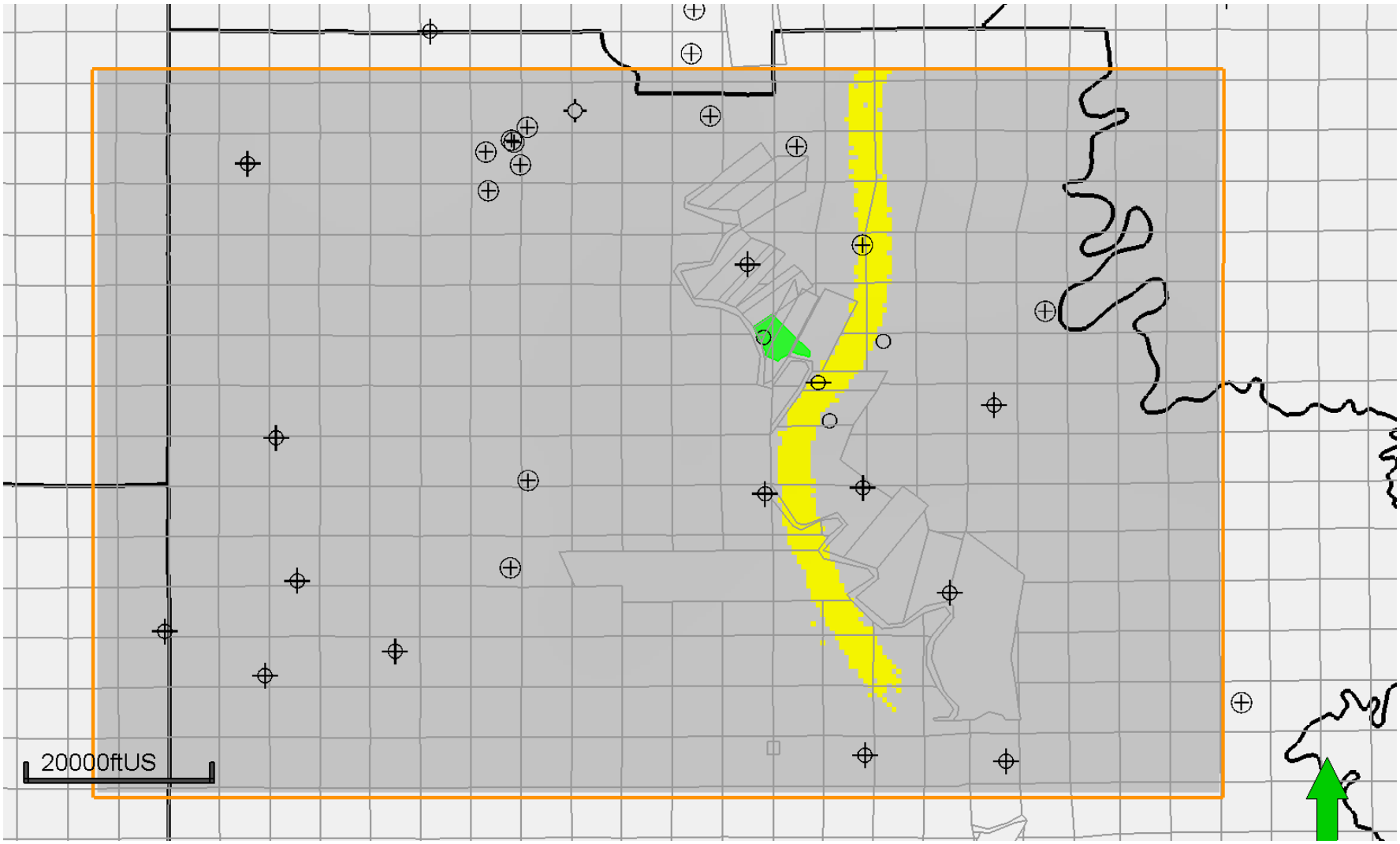
Paluxy 2 observed in the Louisiana Green Fuels well, modeled using polygons to define the thickness and extent. This facies property generated from these polygons was then used to model the porosity distribution for the Paluxy 2.



Paluxy 3 observed in the Louisiana Green Fuels well, modeled using polygons to define the thickness and extent. This facies property generated from these polygons was then used to model the porosity distribution for the Paluxy 3.



Paluxy 2 observed in the Louisiana Green Fuels well, modeled as a single channel. This facies property was then used to model the porosity distribution for the Paluxy 3.



Paluxy 3 observed in the Louisiana Green Fuels well, modeled as a single channel. This facies property was then used to model the porosity distribution for the Paluxy 3.